## TARM

## What is claimed is:

- 1. An apparatus for flatering and separating fluids, comprising: a pressure tight bounding having a fluid inject, a retentate outlet and a permeate outlet, a plurality of stacks of membrane fifter elements arranged in said housing adjacent one another and being joined such that said fluid is conducted through said stacks of membrane filter elements in a series flow pattern, each stack including a plurality of spaced filter elements in the firm of membrane piliows arranged in spaced relationship around which field flow is conducted in a meander-like pattern through each to stack.
- 2. An apparatus according to claim 1, wherein each of said stacks includes a closed space in which said membrane pillows are contained and each included further an inlet for conducting the filled said to be a part of the fill of a fill the said to be a fill to be a
- n. An apparation and public to the grown wherein evep arating.

- 4. An apparatus agreein just of alm 5, wherein said inlets and sair attets are sists former in sair separatus delements.
- The Antapparatus approximate that is a wherein said memtrane plint was are essentially in that in plane.
- hrane pillows are arranged in said stack in a longitudinally displaced fashion such that each alternate membrane pillow has one end projecting from said stack and disposed in engagement with the adjacent separating element thereby forming flow reversal areas at each end of said stack between the projecting ends of two alternate membrane pillows.
  - The Anti-apparatus according to claim 1, wherein each memberane pillow includes a planar stabilizing element disposed between outer memorane elements.
  - 6. An apparatus according to claim 7, wherein spacer elements provided with elastomer scaling elements are disposed between a facent memorane fillows.
  - 4. An apparatus and religion to their A, wherein raid sealing and rest out of the seal.
  - In . Among that the arrest of the control of the particle and the permeater of the specific that the permeater of the specific that the sp

- 11. An apparatus and rains to claim 1, wherein said stacks have an essentially as land or present in.
- It. An apparatus and rained stacks are formed by two percentially cond-click, an stack should which are juneant form within a space of rained or de-section and which enclose therein said stacks of mediane pillows, which also have an abrong shape.
- 14. An apparatus and rain; to claim to, wherein said housing is closed at apposite ends ry til sure elements and at least one of said stack shells includes a permeate discharge channel extending longitudinally through said at least one stack shell and being disposed in communication with permeate discharge openings formed in said closure elements.
- 15. An apparatus according to whalm 14, wherein the space defined within said stack shells has an obling cross-section.